The following presentation is based on input from staff of various Louisiana state and federal resource agencies, but does not reflect the official position of any of the agencies involved.

# Louisiana Coastal Protection and Restoration

Preliminary
Resource Agency
Environmental Alternatives

## Agreed upon principles

- No levee construction w/o concomitant habitat restoration commensurate with the scale of levee const
- Restoration measures designed to maximize the dual purpose (hurricane prot./env. ben)
- Proposed features to be reviewed and modified as info becomes available on effectiveness

• Fully evaluate non-structural alternatives

 Hurricane protection should not come at the expense of the coastal environment

• Involve the public

Plan for effects of features on <u>hydrology</u>

## Avoid and Minimize Impacts

• Use existing levee alignments

 New alignments on the upland side of the upland/wetland interface \*

Avoid enclosing wetlands

 Minimize (and undo) the disruption of natural hydrology  Unavoidable impacts to wetlands should be offset by compensatory mitigation measures

Mitigation should be in-kind, same basin

No mitigation credit for benefits to enclosed wetlands

 Anticipate and accommodate river reintroduction projects

• Use Miss. and Atchafalaya Rivers for restoration and storm protection

### Restoration Strategy

 Large scale creation of wetland and ridge barriers for storm surge protection, and maintain with diversions

#### Programmatic Sediment Sources

- Massive amounts needed
- Use external sources
- Avoid historical piecemeal approach, which results in adjacent borrow in wetlands
- Large-scale, such as offshore deposits, 2 rivers
- Pipeline delivery
- Economy of scale



















